

Title (en)
PHOTOVOLTAIC MODULE AND METHOD FOR FOLDING THE SAME

Title (de)
FOTOVOLTAISCHES MODUL UND VERFAHREN ZUM FALTEN DAVON

Title (fr)
MODULE PHOTOVOLTAÏQUE ET SON PROCÉDÉ DE PLIAGE

Publication
EP 4345915 A1 20240403 (EN)

Application
EP 23186912 A 20230721

Priority
CN 202211215987 A 20220930

Abstract (en)
The embodiments of the present application relate to the technical field of solar cells, in particular to a photovoltaic module and a method for folding a photovoltaic module, and the photovoltaic module includes multiple cell sheets arranged in an array, where each of the multiple rows of cell sheets is arranged at intervals along a first direction, each of the multiple columns of cell sheets is arranged at intervals along a second direction, and each of the multiple cell sheets has a first surface and a second surface. The photovoltaic module further includes a first flexible cover layer located on a side of the first surface of each of the multiple cell sheets, and a second flexible cover layer located on a side of the second surface of each of the multiple cell sheets. The photovoltaic module is configured to be folded along a gap between two adjacent rows in the multiple rows of cell sheets or along a gap between two adjacent columns in the multiple rows of cell sheets with the folding angle of 0 degree to 180 degrees between two adjacent columns of cell sheet. The embodiments of the present application are beneficial for improving the folding performance of the photovoltaic module.

IPC 8 full level
H01L 31/048 (2014.01); **H02S 30/20** (2014.01); **H02S 40/34** (2014.01)

CPC (source: CN EP US)
H01L 31/0475 (2014.12 - US); **H01L 31/048** (2013.01 - CN EP US); **H01L 31/18** (2013.01 - CN); **H01L 31/186** (2013.01 - US); **H02S 30/20** (2014.12 - CN EP); **H02S 40/34** (2014.12 - EP); **Y02E 10/50** (2013.01 - EP)

Citation (search report)

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